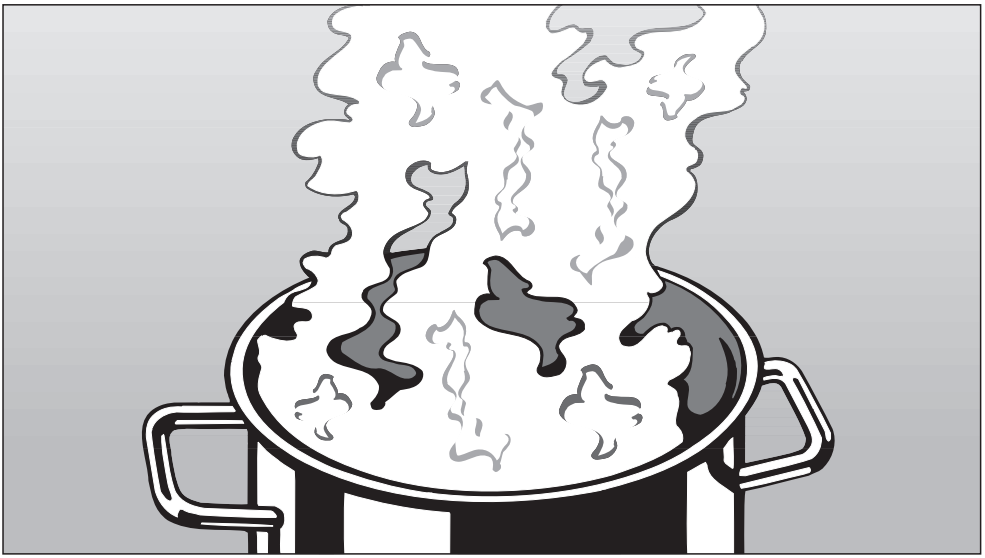
# Operating and Installation instructions



# Rangehood
# DA 2250, DA 2250 EXT
# DA 2270, DA 2270 EXT
# DA 2210

To avoid the risk of accidents or damage to the appliance, it is **essential** to read these instructions before it is installed and used for the first time.

en - AU, NZ

M.-Nr. 09 723 590

# Contents

**Caring for the environment** . . . 3
**Warning and Safety instructions** . . . 4
**Guide to the appliance** . . . 10
**Modes of operation** . . . 12
**Operation** . . . 13
Joystick . . . 13
To switch the fan on . . . 13
To select a power level . . . 13
To switch the fan off . . . 13
Automatic switch-off of the Intensive setting . . . 14
Run-on option . . . 14
To switch the cooktop lighting on . . . 15
To dim the cooktop lighting . . . 15
To switch the cooktop lighting off . . . 15
Filter operating hours counter . . . 16
**Cleaning and care** . . . 20
Housing . . . 20
Grease filters . . . 20
Fitting and replacing the charcoal filters . . . 22
Changing a halogen lamp . . . 24
**After sales service** . . . 25
**Appliance dimensions** . . . 26
Safety distance between cooktop and rangehood . . . 27
**Installation** . . . 28
**Connection for air extraction** . . . 33
Condensate trap . . . 34
Silencer . . . 35
**Electrical connection** . . . 36
**Operation with Control module DSM 400** . . . 37
Potential free connection . . . 37
Connection to a light switch . . . 37
**Technical data** . . . 38

## Disposal of the packing material

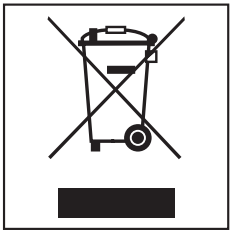
The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

Ensure that any plastic wrappings, bags, etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation.

Rather than just throwing these materials away, please ensure they are offered for recycling.

## Disposal of your old appliance or machine

Electrical and electronic appliances / machines often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance or machine. Therefore, please do not dispose of your old machine or appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre and ensure that it presents no danger to children while being stored for disposal.

It should be unplugged or disconnected from the mains electricity supply by a competent person.
The plug must be rendered useless and the cable cut off directly behind the appliance or the machine to prevent misuse.

This appliance complies with all relevant local and national safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.

To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before using it for the first time. They contain important information on the safety, installation, use and maintenance of the appliance.

Keep these instructions in a safe place and ensure that all users are familiar with the contents. Pass them on to any future owner of the appliance.

## Correct application

▶ This rangehood is designed for domestic use and for use in similar environments by guests in hotel or motel rooms, bed & breakfasts and other typical living quarters. This does not include common/shared facilities or commercial facilities within hotels, motels or bed & breakfasts.

▶ It must only be used to extract vapours and remove odours from cooking.

▶ This appliance is not suitable for outdoor use.

Any other usage is at the owner's risk. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.

▶ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety.

## Safety with children

▶ This appliance is only intended for use by adults who have read these instructions. This appliance is not a toy! To avoid the risk of injury, keep children well away and do not allow them to play with it or to use the controls. They will not understand the potential dangers posed by it. They should be supervised whenever you are working in the kitchen.

▶ Older children may use the rangehood only when its operation has been clearly explained to them and they are able to use it safely. They must be aware of the potential dangers caused by incorrect operation.

▶ Please be aware that on rangehoods with halogen lighting, the lamps will get very hot during use and remain hot for some time after switching off. To safeguard against burning, keep children well away from the lamps at all times.

## Technical safety

▶ Before installation, check the rangehood for visible signs of damage. Do not install and use a damaged appliance. A damaged appliance is dangerous.

▶ Before connecting the appliance to the mains supply, make sure that the voltage and frequency details given on the data plate correspond to the on-site electricity supply, otherwise the appliance could be damaged. Consult a qualified electrician if in any doubt.

▶ The electrical safety of this appliance can only be guaranteed when continuity is complete between the appliance and an effective earthing system which complies with current local and national safety regulations. It is most important that this basic safety requirement is present and tested regularly and, where there is any doubt, the household wiring system should be inspected by a qualified electrician. The manufacturer cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ For safety reasons, this appliance may only be used when it has been fully installed.

▶ Only open the housing as described in the instructions given in the installation sheet and in the Cleaning and care section of this booklet. Under no circumstances should any other parts of the housing be opened. Tampering with electrical connections or components and mechanical parts is highly dangerous to the user, and can cause operational faults.

▶ Installation, maintenance and repairs may only be carried out by a suitably qualified and competent person in strict accordance with current national and local safety regulations. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

▶ Faulty components must only be replaced by genuine Miele original parts. The manufacturer can only guarantee the safety of the appliance when Miele replacement parts are used.

▶ During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply. It is only completely isolated from the electricity supply when:

– it is switched off at the mains fuse,

– the screw-out fuse is removed (in countries where this is applicable),

– it is switched off at the wall socket and the plug is withdrawn from the socket, or it is switched off at the isolator.
  If the appliance is connected via a plug: Do not pull the mains connection cable but the mains plug to disconnect your appliance from the mains electricity supply.

▶ Do not connect the appliance to the mains electricity supply via a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).

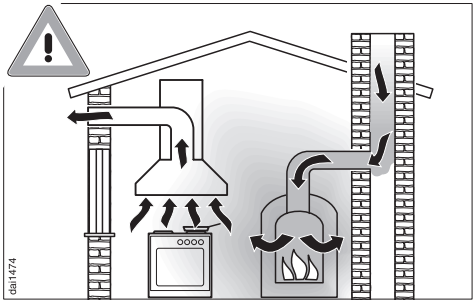
▶ For appliances with an external fan motor fitted (...EXT models), the connection of the two units must be made using the connection cable and the plug connectors.
These models may only be combined with a Miele external motor.

▶ This rangehood must not be installed and operated in mobile installations (e.g. on a ship).

▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the warranty.

**Using at the same time as other heating appliances that depend on the air from the room**

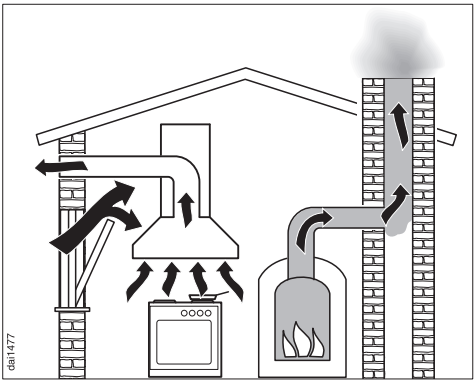
Warning - danger of toxic fumes




▶ Great care should be taken when using the rangehood at the same time and in the same room or area of the house as another heating appliance which depends on the air in the room. Such appliances include gas, oil, wood or coal-fired boilers and heaters, continuous flow or other water heaters, gas cooktops or ovens which draw air in from the room and duct exhaust gases out through a chimney or extraction ducting.
When used in extraction mode, with or without an external motor fitted, the appliance draws air in from the room in which it is installed **and** from neighbouring rooms.
If there is insufficient air, an underpressure will occur. The heating appliance may be starved of oxygen, impairing combustion.

Harmful gases could be drawn out of the chimney or extraction ducting back into the room, with potentially fatal consequences.

In order to ensure safe operation, and to prevent gases given off by the heating appliances from being drawn back into the room when the extractor and the heater are in operation simultaneously, an underpressure in the room of 0.04 mbar (4 pa) is the maximum permissible.




Ventilation can be maintained by air inlets which cannot be blocked, in windows, doors and outside wall vents, or by other technical measures, such as ensuring that the extractor can only be switched on when the heating appliance is switched off or vice versa. A ventilation brick alone is not generally sufficient to ensure safe ventilation.

⚠ The overall ventilation condition of the dwelling must be taken into account. If in any doubt, the advice of a competent builder must be sought.

If the rangehood is being operated in recirculation mode, the above restrictions do not apply.

## Correct use

▶ Never use an open flame beneath the rangehood. To avoid the danger of fire, do not flambé or grill over an open flame.
When switched on, the rangehood could draw flames into the filter. Fat particles drawn into the rangehood present a fire hazard.

▶ When using the rangehood over a gas cooktop, ensure that any burners in use are always covered by a pan. Switch the cooking zone off when a pan is removed, even for a short time. Regulate the flame so that it does not burn up the sides of the pan.
Do not allow the pans to overheat excessively (e.g. when using a wok). The rangehood can become damaged when exposed to excessive heat.

▶ Always switch the rangehood on when a cooking zone is in use, otherwise condensation may collect in the hood, which could cause corrosion.

▶ When cooking with oil or fat, chip pans and deep fat fryers etc., do not leave the pans unattended. Never leave an open grill unattended when grilling. Overheated oil and fat can ignite and could set the rangehood on fire.

▶ Do not use the rangehood without the filters in place. This way you will avoid the risk of grease and dirt getting into the appliance and hindering its smooth operation.

▶ The filters should be regularly cleaned or changed as appropriate. Saturated filters are a fire hazard. See "Cleaning and care".

▶ The rangehood can get very hot during cooking due to heat rising from the cooktop.
Do not touch the housing or the grease filters until the rangehood has cooled down.

▶ Do not use a steam cleaner to clean this appliance. Pressurised steam could reach the electrical components and cause a short circuit.

## Correct installation

▶ Refer to the rangehood or cooktop manufacturer's instructions as to whether a rangehood may be operated above the cooktop.

▶ The minimum safety distances between the top of the cooktop and the bottom of the rangehood given in the "Appliance dimensions" section of this booklet must be maintained, unless the cooktop manufacturer states that a greater safety distance is required.

If more than one cooking appliance is fitted beneath the rangehood, and they have different minimum safety distances to the rangehood, select the greater distance.

▶ Safety regulations prohibit the fitting of a rangehood over solid fuel stoves.

▶ All ducting, pipework and fittings must be of non-flammable material. These can be obtained from Miele or from builders' merchants.

▶ The appliance must not be connected to a chimney or vent flue which is in use. Neither should it be connected to ducting which ventilates rooms with fireplaces.

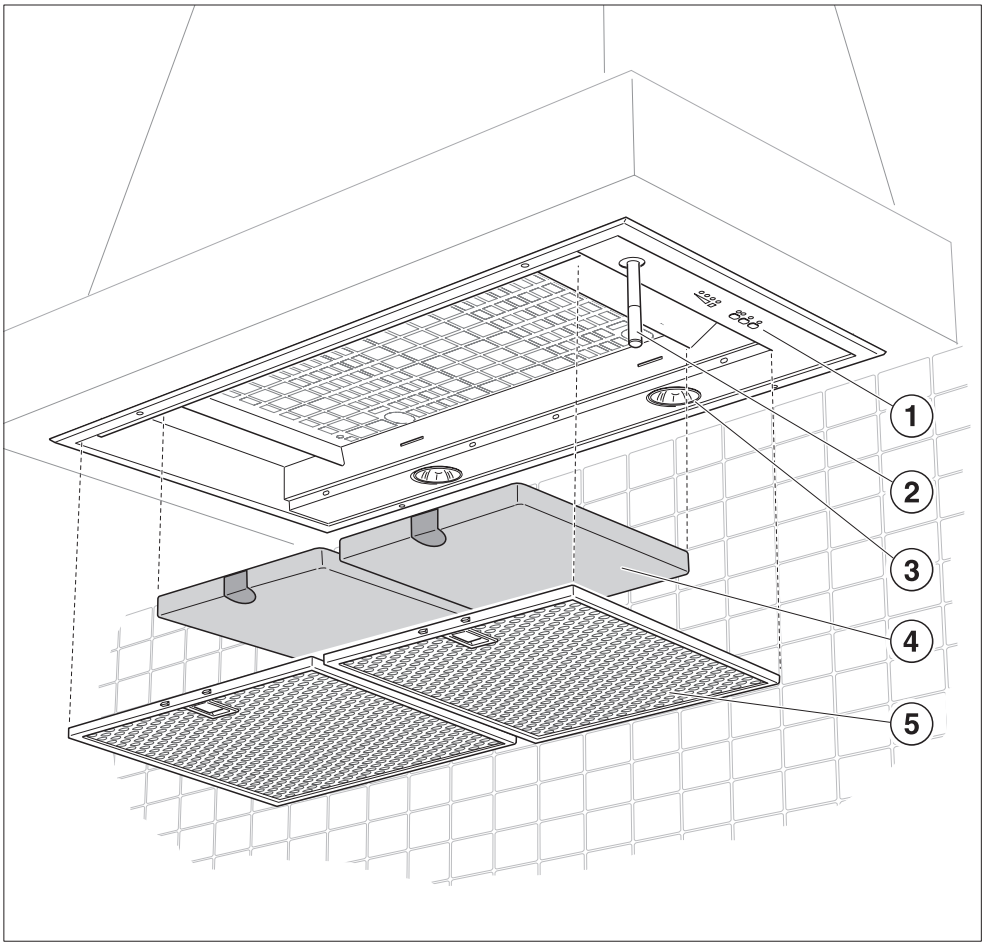
▶ If exhaust air is to be extracted into a chimney or ventilation duct no longer used for other purposes, seek professional advice.

## Accessories

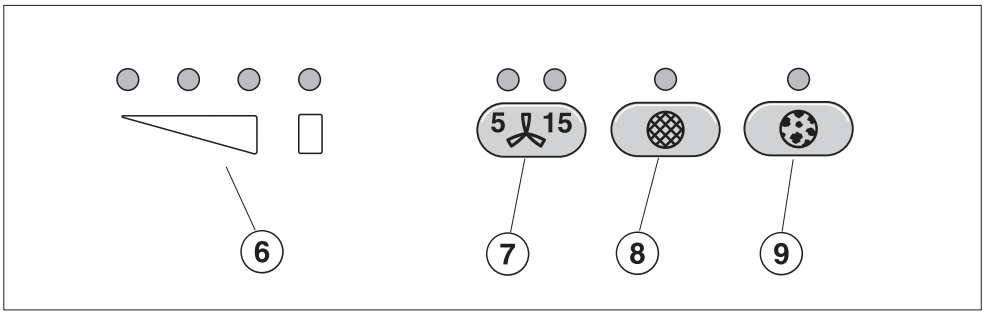
▶ Only use genuine Miele spare parts and accessories with this rangehood. If spare parts or accessories from other manufacturers are used, this will invalidate the warranty, and Miele cannot accept liability.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

# Guide to the appliance




dai2140



**① Control panel**

**② Joystick**

This is used to operate the fan settings and the lighting.

**③ Cooktop lighting**

**④ Charcoal filters**

Special accessory for recirculation mode

DA 2250, DA 2270: 2 filters
DA 2210: 4 filters

**⑤ Grease filters**

**⑥ Fan setting indicator lamps**

**⑦ Touch control for the run-on option**

To activate the run-on option. The fan can be set to continue running, and to switch off automatically after either 5 or 15 minutes.

**⑧ Touch control for the grease filter**

The indicator lamp for the grease filters lights up when the grease filters need to be cleaned.

The touch control is used to reset the operating hours counter every time the grease filters are cleaned (see "Cleaning and care").

It can also be used to check and alter the operating hours counter.

**⑨ Touch control for the charcoal filter**

The indicator lamp for the charcoal filter lights up when the charcoal filters used in recirculation mode needs to be replaced. For this to happen, the operating hours counter needs to be activated before the appliance is used for the first time.

The touch control is used to reset the operating hours counter every time the charcoal filters are replaced (see "Cleaning and care").

It can also be used to check and alter the operating hours counter.

For information about using the appliance, see "Operation".

# Modes of operation

The rangehood works with

## . . . air extraction:

The air is drawn in and cleaned by the grease filters and directed outside.

If the on-site ventilation system does not have a **non-return flap**, then the non-return flap supplied with the appliance must be fitted in the exhaust socket in the motor unit.

The DA 2210 has two motors and requires two non-return flaps to be fitted.

Having a non-return flap fitted in the ducting ensures that air, once ducted to the outside, cannot get back into the room again.

The flap is closed when the rangehood is switched off.

When the rangehood is switched on, the non-return flap opens for the cooking vapours to be blown directly outside.

**Please note, the performance of this rangehood hinges greatly on the installed ducting to vent the vapours. Poor choice of ducting results in poor rangehood performance. For ducting recommendations, please refer to the relevant section in these operating instructions or contact a specialised installer**.

## . . . air recirculation:

(requires a conversion kit and charcoal filters: see "Technical Data")

The air is drawn in and cleaned first by the grease filters and then by the **charcoal filters** (2 on the DA 2250, DA 2270 and 4 on the DA 2210). The cleaned air is then recirculated back into the kitchen.

Before using the rangehood in recirculation mode, ensure that the charcoal filters are in place. See "Cleaning and care".

## . . . an external motor:

(EXT models only)

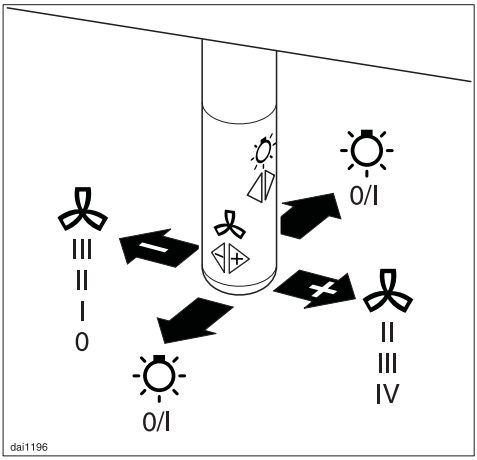
EXT models are designed to be connected to an external motor located outside the room.

The external motor is connected to the rangehood by means of a control cable, and is operated by the controls on the rangehood.

## Joystick

This is used to operate the fan settings and the lighting.

### To switch the fan on




■ Press the joystick once to the right.

The fan will come on at power level II. The second fan power level indicator lamp will light up.

### To select a power level

■ Press the joystick repeatedly to the right to select a higher power level, and to the left to select a lower power level.

The relevant power level indicator lamp will light up.

Depending on the intensity of the cooking vapours, levels "I" to "III" are usually sufficient for normal cooking.

### Intensive setting

For short periods of cooking food with intensive vapours and a strong aroma, e.g. when searing meat, you may wish to select the Intensive Setting "IV".

### To switch the fan off

■ Press the joystick repeatedly to the left until the fan switches off and the power level indicator lamps have all gone out.

or

■ Press and hold the joystick to the left. The power level indicator lamps will go out.

### Automatic switch-off of the Intensive setting

You can set the Intensive setting so that it only runs for 10 minutes before reverting automatically to level III.

- To set this option, both the fan and the cooktop lighting must be switched off.
- Press the **run-on option control for approximately 10 seconds**. The first power level indicator lamp will light up.
- Press the **joystick**
  – **once to the rear** or to the front. The second indicator lamp will light up,
  – then press the joystick **once to left**. The third indicator lamp will light up,
  – then press the joystick **once to the left** or to the front.

The indicator lamps for fan power levels I and IV will flash if the automatic switch-off for the Intensive setting is not activated.

- **To activate** automatic switch-off, press the joystick **once to the right**. The indicator lamps for power levels "I" and "IV" will light up constantly.
- **To deactivate** automatic switch-off, press the joystick **once to the left**.
- Press the **control for the run-on option** to **confirm** the selection and to come out of programming mode.

## Run-on option

It is advisable to run the fan for a few minutes after cooking has finished to neutralise any lingering odours in the air, whether you are using air extraction or recirculation mode.

The fan can be set to switch off automatically after either 5 or 15 minutes.

- After cooking has finished, press the run-on option control whilst the fan is still running.

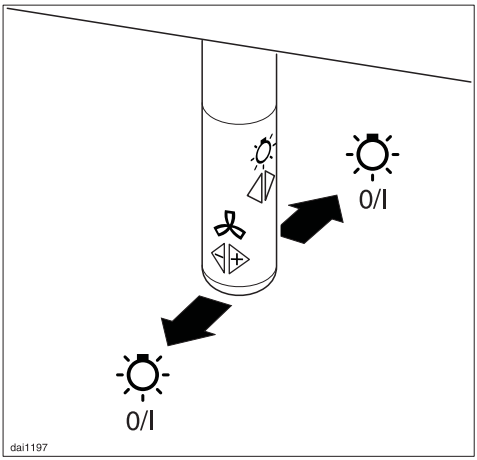
– Press once = The fan will switch off after 5 minutes (left-hand indicator lamp).

– Press twice = The fan will switch off after 15 minutes (right-hand indicator lamp).

- To switch off the run-on option, press the run-on option control again. The appliance will then not switch off automatically.

### To switch the cooktop lighting on

The cooktop lighting can be switched on and off independently of the fan.




- Press the joystick once to the rear or to the front to switch it on.

### To dim the cooktop lighting

The brightness of the lighting can be adjusted.

- With the lighting switched on, press and hold the joystick to the rear or the front.
  The brightness will gradually dim until you release the joystick.
- Pressing and holding it again will gradually increase the brightness until you release it.
- If you keep the joystick pressed in, the light will continually change between bright and dim.

### To switch the cooktop lighting off

- Press the joystick again once to the rear or to the front to switch it off.

### Safety cut-out

Should the rangehood be left on, the fan will switch off automatically after 10 hours. The lighting will remain on.

- Pressing the joystick once to the right will switch the fan back on again.

## Filter operating hours counter

The number of hours the appliance has been in operation is stored in memory.

The operating hours counter tells you when the grease filters or charcoal filters need to be cleaned or replaced.

### Resetting the grease filter operating hours counter

After 30 hours of operation (or another time if the operating hours counter has been altered), the grease filter indicator lamp will light up. The grease filters must then be cleaned.

Afterwards, the grease filter operating hours counter must be reset.

- To do this, press and hold the grease filter control for approximately 3 seconds while the fan is switched on.

The indicator lamp for the grease filter control will go out.

### Reading the grease filter operating hours counter

To check the percentage of time set already used:

- Switch the fan on with the joystick.

- Press and hold the grease filter control.

One or several of the power level indicator lamps will flash.

The number of flashing lamps shows the percentage of the operating time which has already been used up.

1 lamp = 25 %
2 lamps = 50 %
3 lamps = 75 %
4 lamps = 100 %

The number of operating hours used remains in the memory, even when the appliance is switched off or there is a power cut.

### Altering the grease filter operating hours counter

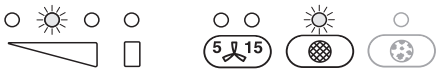
The operating hours counter for the grease filter is set at the factory for 30 hours. This can be lengthened or shortened to suit the type of cooking you do. You can choose 20, 30, 40 or 50 hours.

– Select a short time if you roast or fry a lot.

– If you use very little fat for cooking, select a longer time.

– If you only cook occasionally, we recommend that you still select a short time because grease which has built up gradually over a long period of time will harden on the filter and make cleaning more difficult.

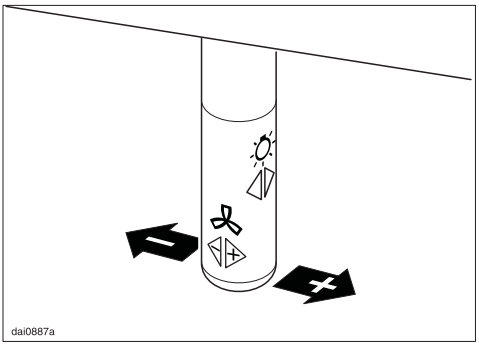
■ Switch the fan off with the joystick.




■ Press the run-on option control and the grease filter control at the same time.

The indicator lamp for the grease filter touch control and one of the power level indicator lamps will flash.

The power level indicator lamps show the time which has been set:
1st lamp from the left = 20 hours
2nd lamp from the left = 30 hours
3rd lamp from the left = 40 hours
4th lamp from the left = 50 hours




■ Use the joystick to select the time required.
Press to the left for a shorter operating time, or to the right for a longer time.

■ Confirm the selection by pressing the grease filter control.

All the indicator lamps will go out.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the "old" data.

### Activating and altering the charcoal filter operating hours counter

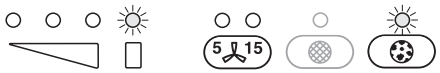
(in recirculation mode)

The charcoal filters must be fitted for the rangehood to be used in recirculation mode.

On delivery, the operating hours counter for the charcoal filter is **deactivated**.

For recirculation mode, the operating hours counter needs to be set to suit the type of cooking you do:

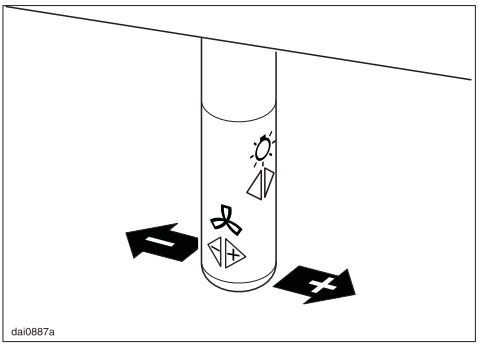
- Switch the fan off with the joystick.




- Press the run-on option control and the charcoal filter control at the same time.

The indicator lamp for the charcoal filter control and one of the power level indicator lamps will flash.

The power level indicator lamps show the time which has been set:
1st lamp from the left = 120 hours
2nd lamp from the left = 180 hours
3rd lamp from the left = 240 hours
4th lamp from the left = unlimited




- Use the joystick to select the time required.
  Press to the left for a shorter operating time, or to the right for a longer time.

- Confirm the selection by pressing the charcoal filter control.

All the indicator lamps will go out.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the "old" data.

### Resetting the charcoal filter operating hours counter

The indicator lamp for the charcoal filter control will light up after the rangehood has operated for the number of hours set. The charcoal filters must be replaced with new ones.

Afterwards, the charcoal filter operating hours counter must be reset.

- Press and hold the charcoal filter control for about 3 seconds while the fan is switched on.

The indicator lamp for the charcoal filter control will go out.

### Reading the charcoal filter operating hours counter

To check the percentage of time set already used:

- Switch the fan on with the joystick.

- Press and hold the charcoal filter control.

One or several of the power level indicator lamps will flash.

The number of flashing lamps shows the percentage of the operating time which has already been used up.

1 lamp = 25 %
2 lamps = 50 %
3 lamps = 75 %
4 lamps = 100 %

The number of operating hours used remains in the memory, even when the appliance is switched off or there is a power cut.

⚠ Before any cleaning or maintenance work is carried out, disconnect the rangehood from the mains supply. Ensure that:
– it is switched off at the isolator, or
– it is switched off at the wall socket and the plug removed, or
– the mains fuse is withdrawn, or
– the screw-out fuse is removed (in countries where this is applicable).

A range of Miele branded cleaning and conditioning agents are available to order through your Miele Chartered Agent, from Miele or via the internet at www.miele-shop.com.

## Housing

The surfaces and controls are susceptible to scratches and abrasions. Please observe the following cleaning instructions.

- All external surfaces and controls can be cleaned using the Original Miele all purpose microfibre cloth, or with warm water and a small amount of washing-up liquid applied with a well wrung-out soft sponge or cloth.
- Wipe the surfaces dry using a soft cloth.

Do not use:

– cleaning agents containing soda, acids, chlorides or solvents,

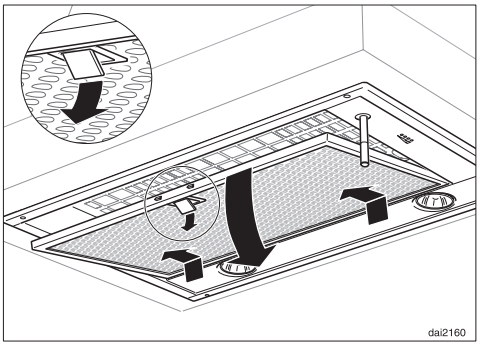
– abrasive cleaning agents, e.g. powder cleaners or cream cleaners and abrasive sponges, as well as pot scourers or sponges which have been used previously with abrasive cleaning agents.
These will damage the surface material.

## Grease filters

The re-usable metal grease filters in the appliance remove solid particles (grease, dust, etc.) from the kitchen vapours, preventing soiling of the rangehood.

To avoid a build-up of grease, the grease filters should be cleaned regularly (at least every 3-4 weeks), but always clean immediately if the grease filter indicator lamp comes on.

⚠ An oversaturated filter is a fire hazard.




- To take out the grease filters, release the locking clip on the filter, lower the filter 45°, unhook it at the back and remove it.

To avoid damaging the filters or the cooktop below, make sure you hold the filters securely at all times when handling them.

### Cleaning the grease filters by hand

- Clean the filters with a soft nylon brush in a mild solution of hot water and a small amount of washing-up liquid.
  Do not use undiluted washing-up liquid.

Do not use:

– cleaning agents containing descaling agents,

– powder cleaners, cream cleaners or abrasive all-purpose cleaning agents,

– oven sprays.

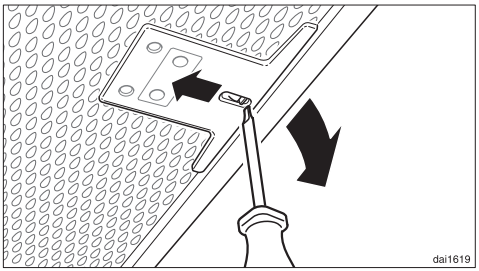
### Cleaning the grease filters in the dishwasher

- Place the filters as upright as possible in the lower basket, with the short sides upright, and wash on a 65°C programme, ensuring the spray arm is not obstructed. If a Miele dishwasher is being used, select the Sensor wash programme.
- Use a mild dishwasher detergent.

Depending on the cleaning agent used, cleaning the filters in a dishwasher can cause permanent discolouration to the surface. However, this will not affect the functioning of the filters in any way.

After cleaning, leave the filters to dry on an absorbent surface before replacing them.

When removing the filters for cleaning, also clean off any residues of oil or fat from the now accessible housing to prevent the risk of these catching fire.




When putting the grease filters back in position, ensure that the locking clips are facing down towards the cooktop.

- If a grease filter is inadvertently replaced upside down, insert a small screwdriver blade into the slit to disengage the clip.

- After replacing the grease filters, press the grease filter control for approximately 3 seconds to reset the operating hours counter.
  The indicator lamp will go out.
- If the grease filters are cleaned **before** the operating hours counter has reached its maximum, the grease filter control should be pressed for approximately 6 seconds to reset the counter.

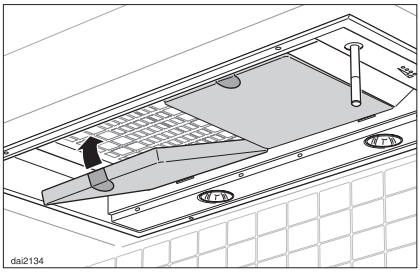
## Fitting and replacing the charcoal filters

If the rangehood is connected for recirculation, charcoal filters must be inserted in addition to the grease filters. They are designed to absorb cooking odours and are fitted in the canopy above the grease filters.

DA 2250, DA 2270: 2 charcoal filters
DA 2210: 4 charcoal filters

> New filters can be purchased from your Miele Chartered Agent or from Miele. See back cover for contact details, and "Technical data" for the model number of the filter.

- Before fitting or replacing the charcoal filters, the grease filters must first be taken out (see previous section for instructions on how to do this).
- Unwrap the charcoal filters.




- Insert the charcoal filters into the canopy.
- When fitting for the first time: Activate the charcoal filter operating hours counter to suit your requirements (see "Operation").
- Replace the grease filters.

Always replace the charcoal filters immediately if

– the indicator lamp for the charcoal filter control lights up,

or

– they are no longer effective in absorbing kitchen odours.

They should, however, be replaced at least every 6 months.

Used charcoal filters can be disposed of with the normal household waste.

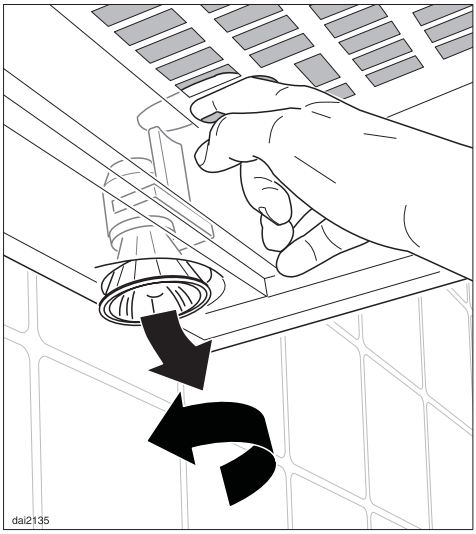
- After fitting the new charcoal filters, press the charcoal filter touch control for approximately 3 seconds to reset the operating hours counter.
  The charcoal filter indicator lamp will go out.
- If the charcoal filters are replaced **before** the operating hours counter has reached its maximum, the charcoal filter control should be pressed for approximately 6 seconds to reset the counter.

## Changing a halogen lamp

Before any cleaning or maintenance work is carried out, disconnect the rangehood from the mains supply. Ensure that:
– it is switched off at the isolator,
or – it is switched off at the wall socket and the plug removed,
or
– the mains fuse is withdrawn, or
– the screw-out fuse is removed (in countries where this is applicable).

- Remove the grease filter.
- Remove the charcoal filters if the rangehood is being used in recirculation mode.

⚠ Exercise caution when changing halogen lamps. They get very hot during use, and remain hot for some time after being switched off.
Do not touch the surface directly when changing a lamp, as grease particles from your fingers will adhere to the surface and damage it. Please follow the manufacturer's instructions.




- Push down the lighting unit slightly via the opening in the safety panel.
- The halogen lamp is now accessible and should be unscrewed anti-clockwise.
- Replace it with a new halogen lamp (specification: GU/GZ 10, 230 V, 50 W). Screw the lamp into the socket and push it upwards. Please follow the manufacturer's instructions.

We recommend only using lamps of the same specification and also made by the same manufacturer as the ones being replaced.

- Replace the grease filter and, if being used in recirculation mode, the charcoal filters.

In the event of a fault which you cannot correct yourself, please contact:

– Miele

You will find the telephone number and address of Miele on the back cover of the manual.

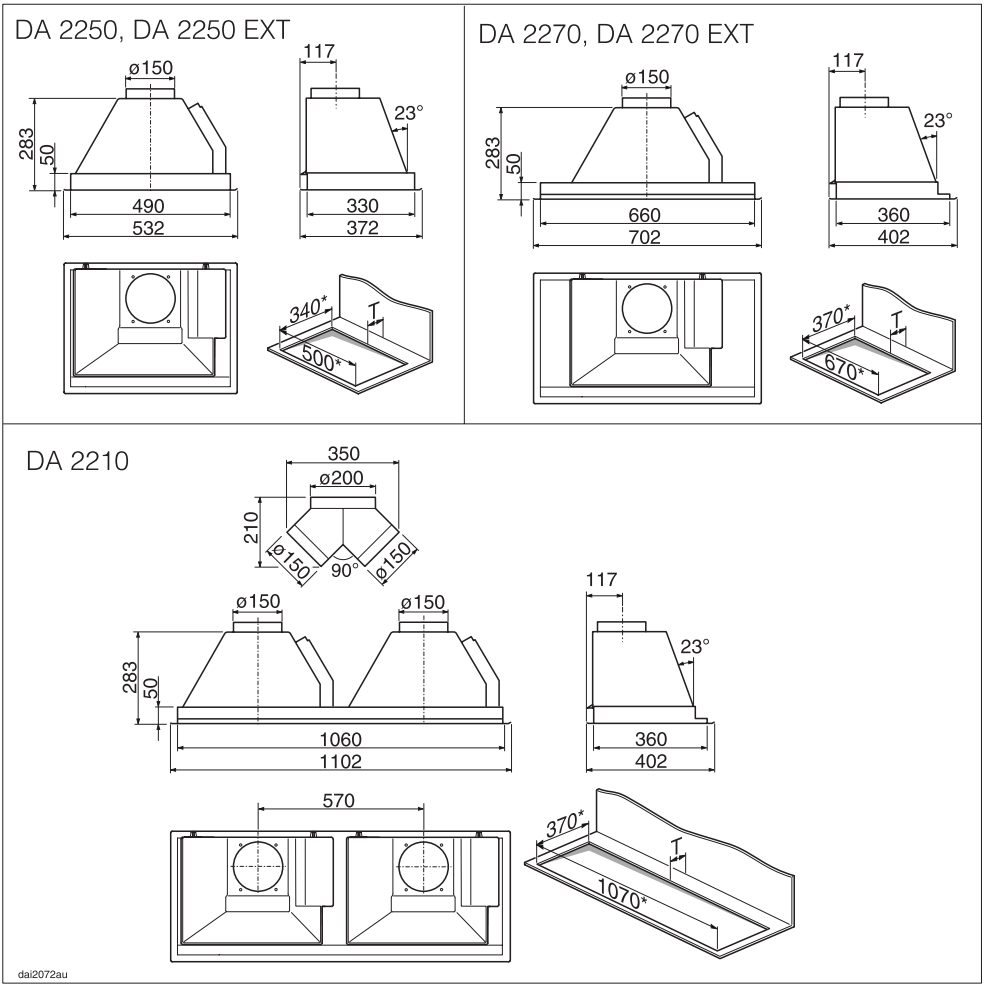
Please quote the model and serial number when contacting Miele. These are shown on the data plate which is visible when the grease filters are removed.

**Warranty**

The warranty for this appliance is 2 years.

For further information, please refer to your warranty booklet.

# Appliance dimensions




*Cut-out dimensions

A depth **T** of at least 25 mm must be provided at the back of the building-in niche.

**Safety distances between cooktop and rangehood (S)**

**The minimum safety distances between the top of a cooktop and the bottom of the rangehood are as follows, unless a greater distance is specified by the manufacturer of your cooking appliance:**

| Cooking appliance | Distance S |
|---|---|
| Electric cooktop | 600 mm |
| Open electric grill | 650 mm |
| Deep fat fryer (electric) | 650 mm |
| Multi-burner gas cooktop with maximum 45.4 MJ/h total output, with no burner having a greater output than 16.2 MJ/h. | 650 mm |
| Multi-burner gas cooktop with total output greater than 45.4 MJ/h, or a gas cooktop including a single burner with an output greater than 16.2 MJ/h. | 760 mm |
| Single gas cooktop with a maximum output of 21.6 MJ/h | 650 mm |
| Single gas cooktop with a maximum output greater than 21.6 MJ/h | 760 mm |

See "Warning and Safety" instructions for further information.

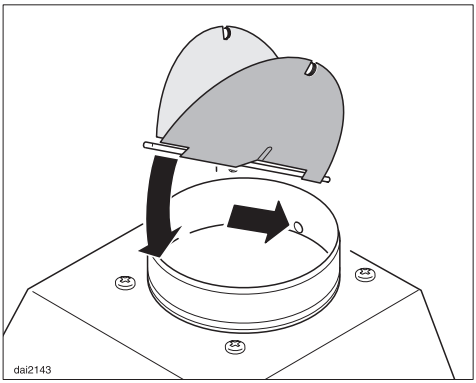
– When deciding on the safety distance between the cooktop and rangehood, please note that a distance of 650 mm above electric cooktops may be preferable to give more working space under the rangehood.

– Account should also be taken of the height of the person who will be using the rangehood most often. The person should have sufficient space to work comfortably at the cooktop, and also be able to reach the rangehood controls with ease.

– If positioned too high, extraction will be inefficient.

## Fitting the non-return flap

(not needed for recirculation mode)



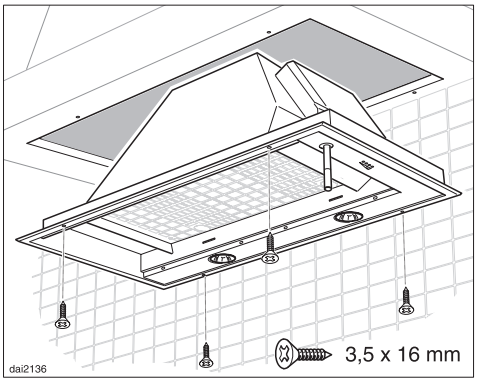

- If a non-return flap is not present in the venting system, the non-return flap supplied must be fitted onto the exhaust socket in the motor unit. The flaps must open upwards.
  DA 2250, DA 2270: 1 non-return flap
  DA 2210: 2 non-return flaps

## Building in

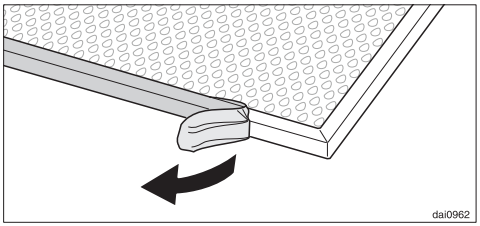
The rangehood is designed for installation in wall units, rangehood housing units, and above breakfast bars or island areas.

Check prior to installation that the top of the appliance will be accessible after installation.

If this is not the case, install the exhaust ducting and prepare the electrical connection **before** installation.

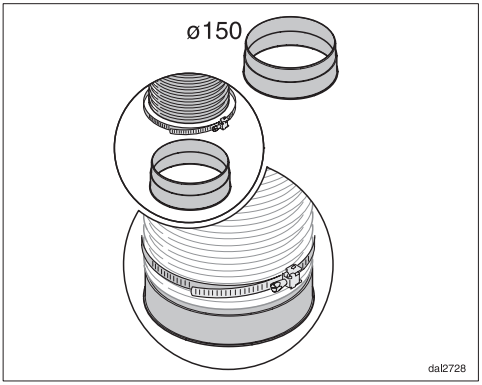



- Place the appliance in the cut-out from below and align it.
- Secure the rangehood by the frame using 3.5 x 16 mm screws.

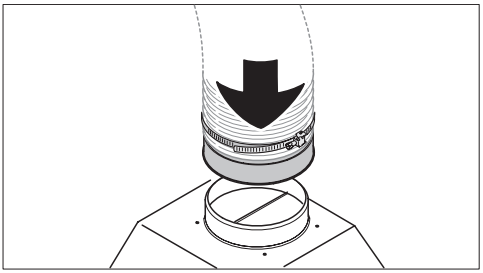



- Before using the appliance for the first time, take the grease filters out and remove the protective foil from the filter frame. Then replace the grease filters.

## Preparation for extraction

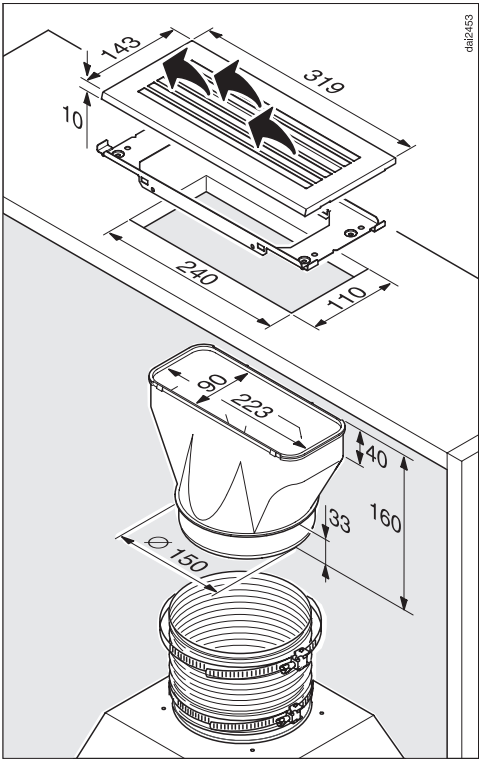



- When using ∅ 150 mm ducting, secure the exhaust connection supplied to exhaust ducting with hose clips.



- Place the exhaust ducting on the fan connection for the rangehood.
- See "Connection for air extraction" for further instructions on fitting the ducting.
- DA 2210: The rangehood has two exhaust connections for use with two 150 mm diameter exhaust hoses. A Y- adapter is supplied with the rangehood. It may be used to feed the exhaust from both connections to a 200 mm diameter common duct.

## Recirculation




If site conditions are not suitable for the rangehood to be used with air extraction, the appliance must be set up for recirculation.

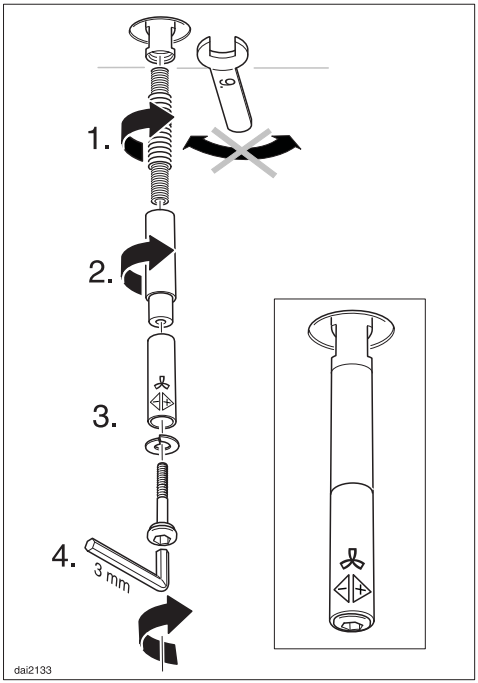
For this, conversion kit DUU 151 (available from your Miele Chartered Agent or Miele ) is required. One conversion kit is required for the DA 2250 and 2270, and two kits for the DA 2210.

You will also require two charcoal filters for the DA 2250 and 2270, or 4 charcoal filters for the DA 2210 (see "Technical data").

A non-return flap is not used in recirculation mode.

- Take the on-site conditions into account when fitting the conversion kit.
  When fitting the exhaust grille, make sure that the slats in the grille point towards the centre of the room and not directly towards a wall or the ceiling.
- Fit the charcoal filters and set the filter operating hours counter (see "Cleaning and Care").

## Fitting the joystick

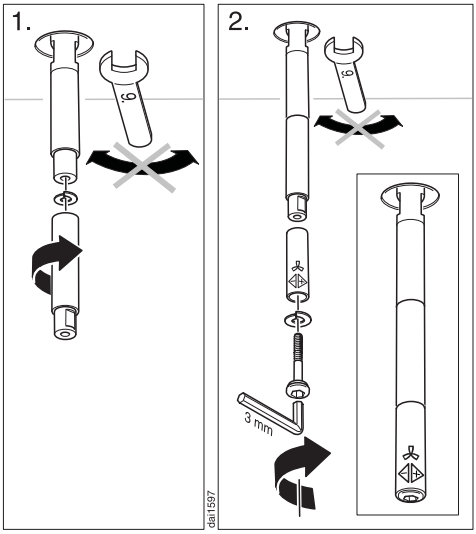



1. Screw the spring into the holder and tighten by hand. Whilst doing so, counterhold the joystick with an SW 9 spanner. **Do not** turn the spanner!
2. Then fit the middle section onto the spring and tighten by hand whilst continuing to counterhold the joystick. **Do not** turn the spanner.
3. Then fit the lower section of the joystick and lightly secure in position with the screw supplied and a spring washer. Do not tighten the screw yet.

   Turn the lower section around, until the ⅄ symbol is facing the front.
4. Then tighten the screw with a 3 mm allen key. Continue to counterhold the joystick with an SW 9 spanner. **Do not** turn the spanner.

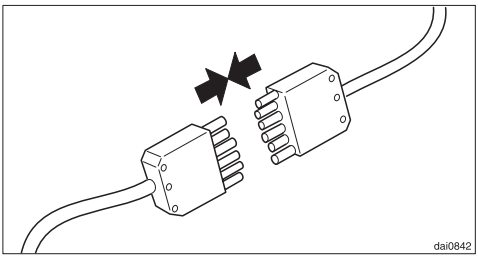
### Joystick extension

The joystick can be extended if required (special accessory - Miele DBV 100).




- Assemble the spring and top section as described above.
- Whilst counterholding the joystick with an SW 9 spanner (do not turn), secure the joystick extension to the top section.
- Then attach the lower section of the joystick to the extension piece as previously described, turn the ⅄ symbol to the front and then tighten the screw.

## Electrical connection




- If the rangehood is to be connected to an external motor (EXT models): Use the connection cable with 6 pole plug to connect the rangehood and the external motor.
- Connect the appliance to the mains via a fused socket.

Before connecting the appliance, read the safety notes in "Warning and Safety instructions" and "Electrical connection".

Important: To avoid the danger of toxic fumes, please observe the Warning and Safety instructions. This is especially crucial when using the rangehood at the same time as another heating appliance which relies on air from the same room. The rangehood should be installed according to local and national building regulations. Seek approval from the building inspector where necessary.

– Only use smooth pipes or flexible hoses made from non-flammable materials for the extraction ducting.
– When using an external motor, make sure that the exhaust ducting is sufficiently rigid. The external motor can cause an underpressure which can result in the exhaust ducting distorting.

To achieve the greatest possible air extraction with the lowest noise level, please note the following:

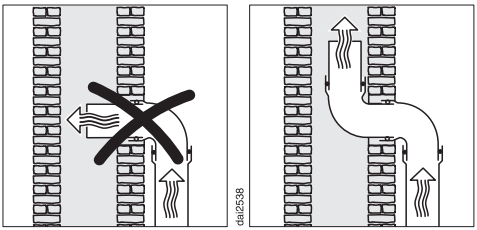
– To ensure efficient air extraction, the diameter of the exhaust ducting should not be less than 150 mm.
– Only use rigid ducting fixed into place.
– If flat ducting is being used, the cross-section must not be smaller than the cross-section of the exhaust connection.

If exhaust ducting with a diameter of less than 150 mm, or if flat ducting or highly flexible ducting is used, the noise level of the rangehood will increase and extraction will be less efficient.

– All ducting, pipework and fittings must be of non-flammable materials.
– The exhaust ducting should be as short and straight as possible.
– Only use wide radius bends.
– The exhaust ducting should not be kinked or compressed.
– Ensure that all connections are strong and airtight.

– Where ducting is horizontal, it must be laid to slope away at at least 1 cm per metre. This is to ensure that condensate cannot drain back into the rangehood.

– If the exhaust air is to be ducted into the open air, the installation of a telescopic wall vent or roof vent (available as an optional accessory) is recommended.



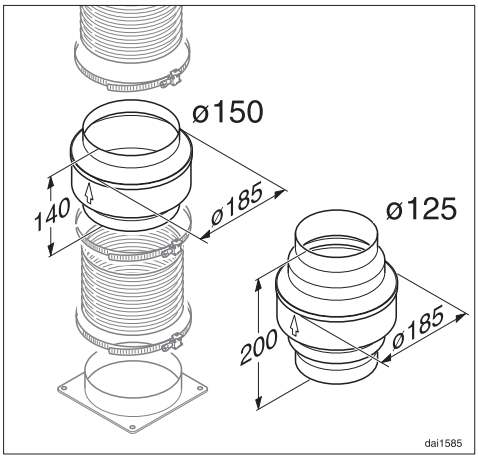

– If the exhaust air is to be ducted into a vent flue, the ducting must be directed in the flow direction of the flue.

**Important:**

If the exhaust ducting is to run through rooms, ceiling space etc. where there may be great variations in temperature between the different areas, the problem of condensation will need to be addressed. The exhaust ducting will need to be suitably insulated.

## Condensate trap

(optional accessory)



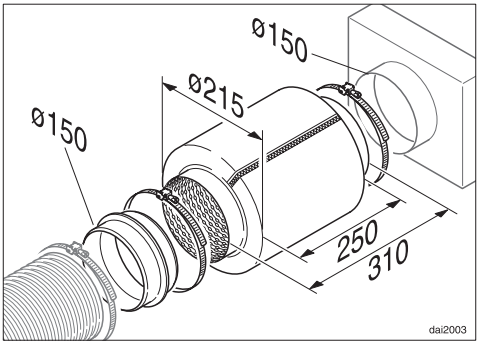

For installations in areas where the exhaust ducting is exposed to cold temperatures, we recommend insulating the exhaust ducting and installing a condensate trap to collect and evaporate any condensate which may occur. Condensate traps are available for ∅ 125 mm or ∅ 150 mm ducting.

When installing a condensate trap, ensure that it is positioned vertically and, if possible, directly above the exhaust connection. The arrow on the housing indicates the direction of air-flow.

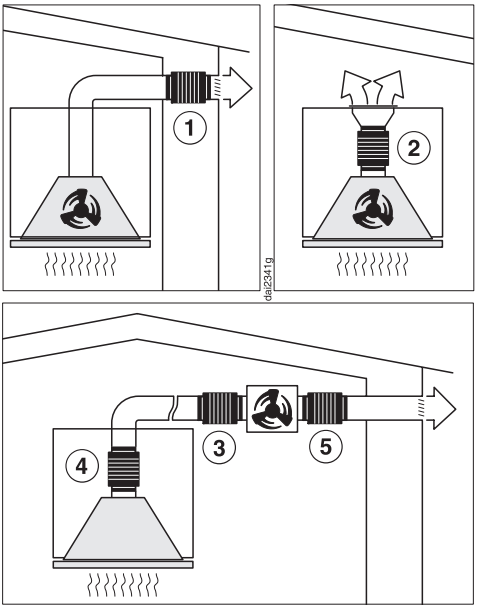
rangehoods designed for use with an external motor (...EXT models) have an integrated condensate trap.

## Silencer

(DASD 150 optional accessory)




To achieve even further reductions in noise levels, a special silencer can be fitted in the ducting system.




**...with air extraction:**

The silencer not only reduces noise from the fan, but also sounds from outside (e.g. traffic noise).
For this reason, the silencer must be positioned as close as possible to where the ducting leaves the building ①.

**...in recirculation mode:**

The silencer needs to be positioned between the fan and the exhaust grille ②. The space needs to be checked in some cases.

**...air extraction with external fan:**

To minimise noise from the fan in the kitchen, the silencer should be positioned in front of the external fan ③ if possible, or if the ducting is long, then in the ducting inside the rangehood itself ④.

In the case of an external fan placed inside the house, fitting a silencer behind the external fan ⑤ reduces the noise of the fan outside the house.

In all modes of operation, the most effective noise reductions are achieved if two silencers are fitted in the system.

# Electrical connection

All electrical work should be undertaken by a suitably qualified and competent person in strict accordance with current national and local safety regulations.

Installation, repairs and other work by unqualified persons could be dangerous, for which the manufacturer cannot be held liable.

Ensure power is not supplied to the appliance until after installation or repair work has been carried out.

Do not connect the appliance to the mains electricity supply by an extension lead. These do not guarantee the required safety of the appliance.

**The connection data is given on the data plate**. This is visible when the grease filters have been removed. Ensure that this data matches the household mains supply.

Connection of this appliance should be made via a suitable isolator which complies with national and local safety regulations and the On-Off switch should be easily accessible after the appliance has been built in.

If the switch is not accessible after installation, an additional means of disconnection must be provided for all poles.

For extra safety, it is advisable to install a suitable residual current device (RCD). Contact a qualified electrician for advice.

**Important**

This appliance is supplied for connection to an AC 230 V single phase 50 Hz supply.

The wires in the mains lead are coloured in accordance with the following code:

| | |
|---|---|
| Green/yellow | = earth |
| Blue | = neutral |
| Brown | = live |

WARNING:
THIS APPLIANCE MUST BE EARTHED

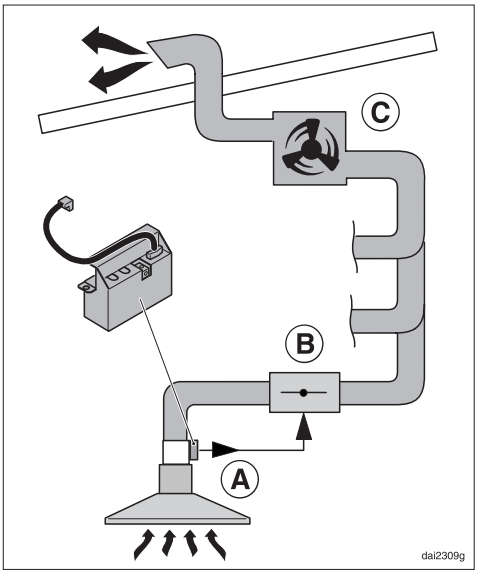
If the connection cable is damaged, it must be replaced by the manufacturer or similarly qualified persons to avoid a hazard.

The Miele DSM 400 control module can be used to combine the rangehood with other components.

It enables the following:

### Potential free connection

This is used for controlling another appliance with the help of the rangehood's On/Off button ⓘ.




The potential free contact of the DSM 400 Ⓐ can be installed in an ...EXT model, for instance, which is connected to a central extraction system.
The contact can be used to activate a motorised shut-off flap Ⓑ which is installed before the central extraction system Ⓒ.

The components of the central extraction system are not supplied as standard by Miele.

If in any doubt, the advice of a competent builder must be sought.

### Connection to a light switch

The control module can be used to switch on the rangehood lighting and also to dim it, depending on model, via a light switch in the house.

### Installation

The control module is fitted onto the rangehood housing.

All electrical work must be carried out by a competent, qualified electrician.

# Technical data

Total rated load*
DA 2250, DA 2270. . . . . 300 W
DA 2210. . . . . 780 W
– Fan motor
DA 2250, DA 2270 . . . . . 200 W
DA 2210 . . . . . 2 x 290 W

– Cooktop lighting
DA 2250, DA 2270 . . . . . 2 x 50 W
DA 2210 . . . . . 4 x 50 W

Voltage . . . . . AC 230 V

Frequency . . . . . 50 Hz

Fuse rating GB . . . . . 5 A

AUS, NZ:

Plug rating . . . . . 10 A

Test marks . . . . . Electrical safety
. . . . . C-Tick Mark

Electrically suppressed
according to AS/NZS 1044

Electrical cable length . . . . . 1.5 m

Weight
DA 2250 . . . . . 8 kg
DA 2250 EXT . . . . . 5.5 kg
DA 2270. . . . . 9.5 kg
DA 2270 EXT . . . . . 7 kg
DA 2210 . . . . . 16 kg

**Special accessory for recirculation mode:**

- **Conversion kit DUU 151**
  **2 kits are required for the DA 2210**
- **Miele charcoal filter pack DKF 15-1**
  **(each pack contains 2 filters)**
  **2 packs are required for the**
  **DA 2210**

**Fan performance***

Extraction power according to EN 61591

DA 2250, DA 2270:
Extraction system ∅ 150 mm
Level I . . . . . 200 $m^3$/h
Level II. . . . . 300 $m^3$/h
Level III . . . . . 400 $m^3$/h
Level IV Intensive Setting . . . . 640 $m^3$/h

Recirculation with charcoal filter:

Level I . . . . . 140 $m^3$/h
Level II. . . . . 240 $m^3$/h
Level III . . . . . 360 $m^3$/h
Level IV Intensive Setting . . . . 550 $m^3$/h

DA 2210:
Extraction system 2 x ∅ 150 mm
Level I . . . . . 650 $m^3$/h
Level II. . . . . 950 $m^3$/h
Level III . . . . . 1250 $m^3$/h
Level IV Intensive Setting . . . 1850 $m^3$/h

Recirculation with charcoal filter:

Level I . . . . . 600 $m^3$/h
Level II. . . . . 900 $m^3$/h
Level III . . . . . 1200 $m^3$/h
Level IV Intensive Setting . . . 1550 $m^3$/h

* For EXT models,

the rated load and extraction power will depend on the type of external motor fitted.

Length of connection cable to external motor. . . . . 1.9 m

**Miele Australia Pty. Ltd.**
ABN 96 005 635 398

Miele Center and Head Office Melbourne:
1 Gilbert Park Drive
Knoxfield, VIC 3180

Miele Center and Office Melbourne:
208-210 Coventry Street
South Melbourne, VIC 3205

Miele Center and Office Sydney:
3 Skyline Place
Frenchs Forest, NSW 2086

Miele Center and Office Brisbane:
39 Harvey Street North
Eagle Farm, QLD 4009

Miele Center and Office Adelaide:
83-85 Sir Donald Bradman Drive
Hilton, SA 5033

Miele Center and Office Perth:
205-207 Stirling Highway
Claremont, WA 6010

**1300 4 MIELE** (1300 464 353)

**www.miele.com.au**

**www.miele-shop.com**

**Miele New Zealand Limited**
**Miele Center and Head Office**
8 College Hill
Freemans Bay
Auckland 1011
New Zealand
Telephone: 0800 264 353
www.miele.co.nz

**Miele Global Headquarters Germany**
**Miele & Cie. KG**
Carl-Miele-Straße 29
33332 Gütersloh
Federal Republic of Germany

Alteration rights reserved / 3313

M.-Nr. 09 723 590 / 00

CE